Amendments to the Claims

This listing of claims will replace all prior versions, and listings of the claims in the application:

1. (Currently Amended) Process for finishing- machining of bearing positions on main bearing journals and connecting rod bearing journals of crankshafts for motor car engines, whereby the crankshafts have roundings between the bearing positions and [[the]]transitions adjacent in each case to the bearing positions, ~~such as for example cheeks of adapting bearings,~~ ~~wherein~~ the process comprising:
deep rolling the roundings ~~are deep rolled~~ with a deep rolling tool; and ~~then,~~ while maintaining a distance interval to [[the]]an individual transition in each case, ~~and~~ machining the bearing position concerned ~~is machined with~~ by removal of material with a small cutting depth.

2. (Currently Amended) Process according to Claim 1,
wherein [[the]]a rolling-in depth at the deep rolling of the roundings is between 0.1 and 0.5 mm.

3. (Currently Amended) Process according to Claim 1,
wherein the small cutting depth during the ~~final material removing~~ machining of the bearing ~~positions~~ position concerned by removal of material amounts to between 0.1 and 0.5 mm.

4. (Currently Amended) Process according to Claim 3,
wherein machining [[with]]by removal of material is carried out with unspecified cutting edge by grinding.

5. (Currently Amended) Process according to Claim 4,

wherein machining by removal of material is carried out with a grinding wheel which [[had]]has an edge radius of up to 1 mm.

6. (Currently Amended) Process according to Claim 3,
wherein ~~working with~~ machining by removal of material ~~takes place~~ is carried out with specific cutting edge by milling, turning, broaching, turn-broaching, or turn-turn-broaching.

7. (Currently Amended) Process according to Claim [[1]]9,
wherein [[the]]a distance interval between the cheek and the bearing position in each case is between 0.5 and 5 mm.

8. (Withdrawn) Crankshaft with main bearing journals and connecting rod bearing journals, of which the bearing positions were finish-machined in accordance with Claim 1,
wherein it has tangent radii between the transition areas and the individual bearing positions in each case.

9. (New) Process according to Claim 1,
wherein the transitions adjacent in each case to the bearing positions are cheeks of adapting bearings.

10. (New) Process according to Claim 2,
wherein the rolling-in depth at the deep rolling of the roundings is 0.2 mm.

11. (New) Process according to Claim 3,
wherein the small cutting depth during the machining of the bearing position concerned by removal of material amounts to 0.25 mm.

12. (New) Process according to Claim 5,

wherein machining is carried out with a grinding wheel which has an edge radius of 0.5 mm.

13. (New) Process according to Claim 7,

wherein the distance interval between the cheek and the bearing position in each case is 1 mm.